

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E
& INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3
REF TC STC SH04-7 & FAA STC SR01997NY

D412-702-051A/-051B/-052A/-052B 1-man 3-point shoulder harness kits are available for the outboard seats of the 5-man forward facing bench in Bell 205/212/214/412 model aircraft. Install as follows. The parts list is provided on sheet 3. The D412-702-051A/-051B/-052A/-052B kits should be maintained per ICA-D412-702 as applicable.

- 1) Remove existing lap belt and/or shoulder harness installations from the outboard seats of the 5-man forward facing bench per the applicable maintenance manual or ICA. If the Dart D412-702-011/-021/-013/-023 shoulder harness kits are already installed, do not remove the D3195-043 brackets from the stanchion posts. Refer to Detail B of *Figure 1*. Ensure that the D3268-1 placard is not removed from the aircraft.
- 2) Disconnect the tops of the aircraft stanchion posts from the aircraft roof per the Aircraft Maintenance Manual. It may be necessary to disconnect the bases of the posts as well.
- 3) Position a D3542-1 bracket over the top of each post as shown in *Figure 1, Detail A*. Install the D412-702-107A/-107B harness assembly on the bracket on the LH stanchion post at a forward angle of 45° using the hardware shown in *Detail A*. Install the D412-702-109A/-109B on the bracket on the RH stanchion post at a forward angle of 45°.
- 4) Remove the OEM 205-070-742-001 blocks from behind the OEM 205-070-743-001 supports and discard the fasteners. Install the D3610-041 bracket and D3571-3 guide with the D3618-1 cap on each post as shown in *Detail B*. Trim the D3618-1 cap as needed to fit. Torque the AN4 bolts to 50-70 in-lbs (5.6-7.9 N-m).
- 5) Feed the shoulder belts through the guides so that the K6.2 clips are between the guides and the buckles as shown in *Figure 1*. Clip the lap belts and buckles onto the OEM seat belt rings as shown in *Detail C* and engage the belts in the buckles. Orient the harness assemblies and the D3571 guides so that the shoulder belts have a straight path to the buckles as shown in *Figure 1*. Torque the #10 fasteners to 20-25 in-lbs (2.3-2.8 N-m). Ensure that the that the D3569-1/-2/-3 decals on the buckles face outward.
- 6) At the customer's option, secure the end fittings of the lap belts using MS20995C41 lockwire per AC43.13-1B Chapter 7 Section 7 or install an MS24665 cotter pin.

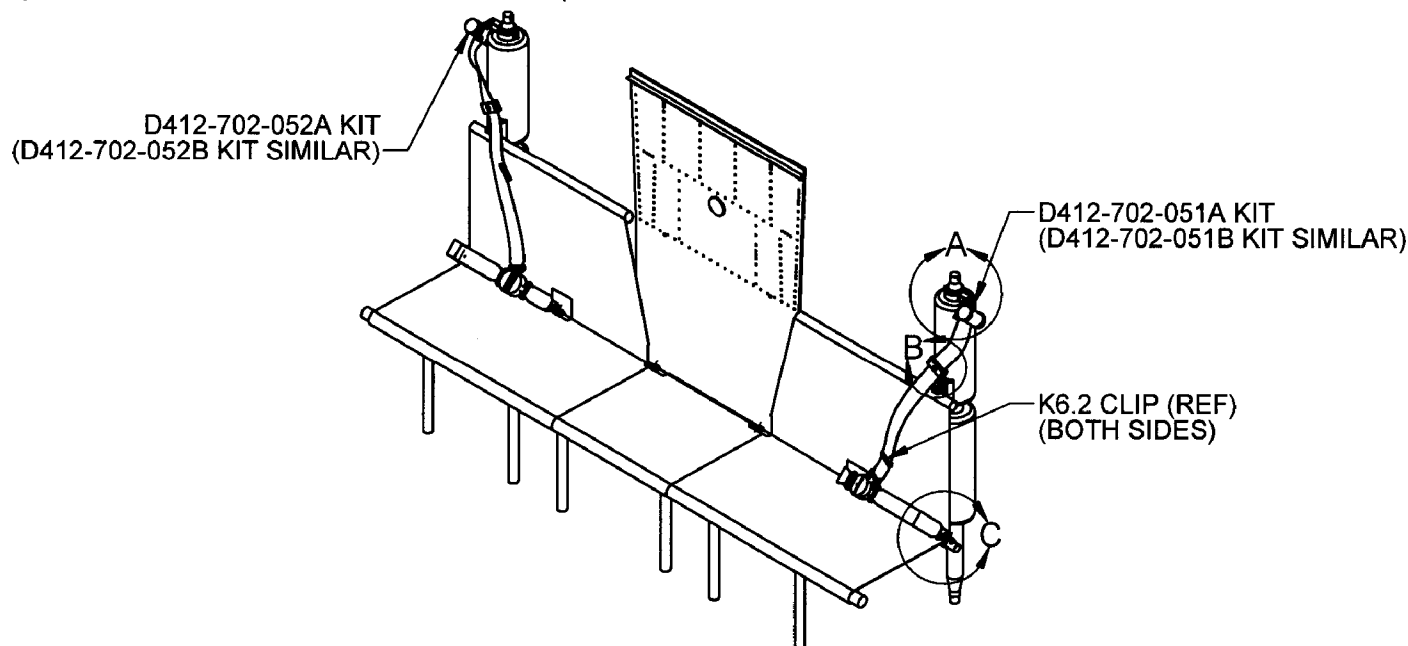
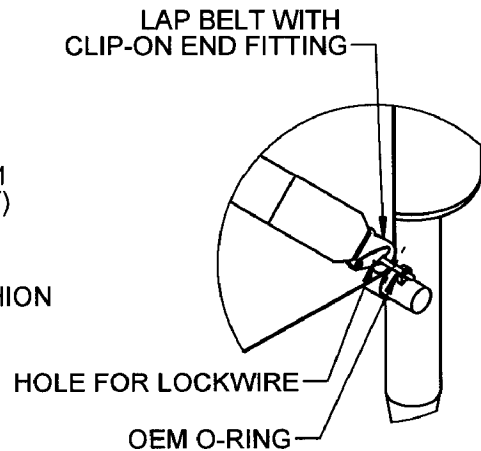
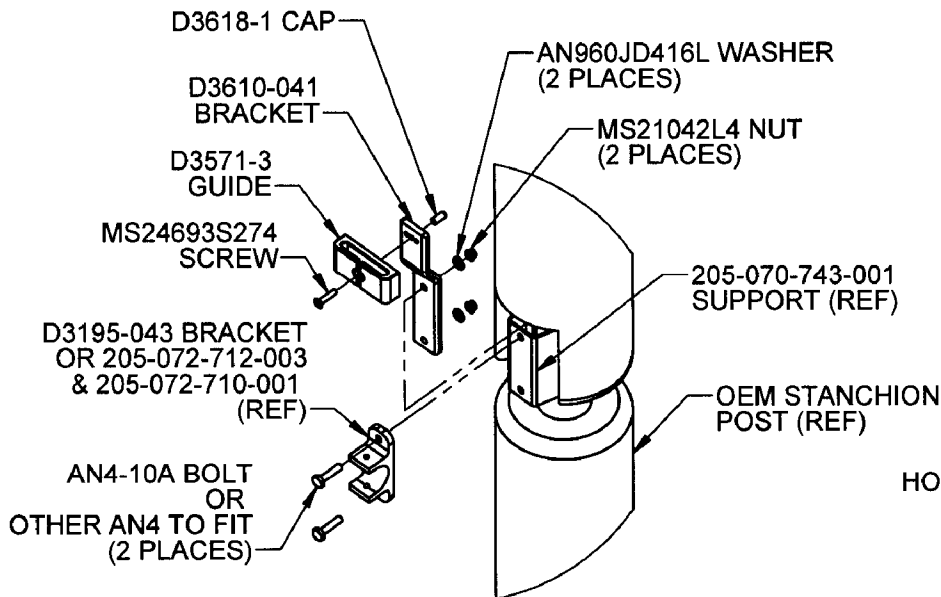
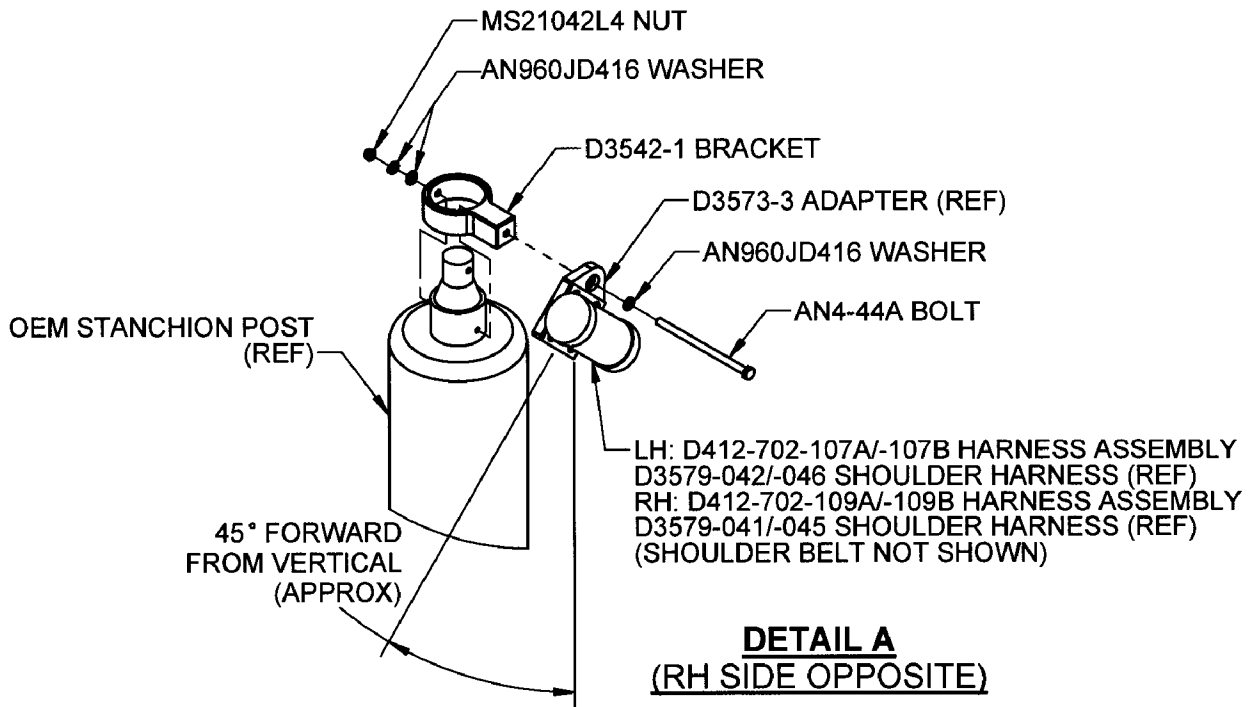


FIGURE 1. D412-702-051A/-051B/-052A/-052B INSTALLATION

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CERT. NO.:	SH04-7
ISSUE NO.:	3

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REV.	DESCRIPTION	BY	DATE
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MFG. APPR.	N/A	DSI 9397	SHEET 1 OF 3
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DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

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D. SHEPHERD (DE # 02)

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DRAWING NO. REV. A
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TITLE SCALE
SHOULDER HARNESS KITS NTS

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
QTY -051A	QTY -052A	QTY -051B	QTY -052B	Part Number	Description
X				D412-702-051A	1-Man 3-Point LH Shoulder Harness Kit
	X			D412-702-052A	1-Man 3-Point RH Shoulder Harness Kit
		X		D412-702-051B	1-Man 3-Point LH Shoulder Harness Kit
			X	D412-702-052B	1-Man 3-Point RH Shoulder Harness Kit
1				D412-702-107A	HARNESS ASSEMBLY
1*				D3573-3	ADAPTER
1*				D3579-042	SHOULDER HARNESS
1*				K6.2	CLIP
4*				MS24693S272	SCREW
4*				AN960JD10LL	WASHER
4*				MS21042L3	NUT
	1			D412-702-109A	HARNESS ASSEMBLY
	1*			D3573-3	ADAPTER
	1*			D3579-041	SHOULDER HARNESS
	1*			K6.2	CLIP
	4*			MS24693S272	SCREW
	4*			AN960JD10LL	WASHER
	4*			MS21042L3	NUT
		1		D412-702-107B	HARNESS ASSEMBLY
		1*		D3573-3	ADAPTER
		1*		D3579-046	SHOULDER HARNESS
		1*		K6.2	CLIP
		4*		MS24693S272	SCREW
		4*		AN960JD10LL	WASHER
		4*		MS21042L3	NUT
			1	D412-702-109B	HARNESS ASSEMBLY
			1*	D3573-3	ADAPTER
			1*	D3579-045	SHOULDER HARNESS
			1*	K6.2	CLIP
			4*	MS24693S272	SCREW
			4*	AN960JD10LL	WASHER
			4*	MS21042L3	NUT
1	1	1	1	D3542-1	BRACKET
1	1	1	1	D3571-3	GUIDE
1	1	1	1	D3610-041	BRACKET
1	1	1	1	D3618-1	CAP
2	2	2	2	AN4-10A	BOLT
1	1	1	1	AN4-44A	BOLT
1	1	1	1	MS24693S274	SCREW
3	3	3	3	AN960JD416	WASHER
2	2	2	2	AN960JD416L	WASHER
3	3	3	3	MS21042L4	NUT

*Denotes that part is included with assembly above

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